

I am concerned that BPL broadband internet service will impact my amateur radio station location. Where the BPL signal strength is stronger than the signal of stations I am conversing with, I will lose contact with those stations. If I am operating mobile, I may cause allowable interference under Part 15 rules to users of BPL and I will be the one who will be visible and thought to blame. Rather than complain to the service providers, I will be the one they will look to cease the interference, which is contrary to the rules. Once the BPL service is initiated, the offending signal will also be within the walls of my own home whether or not I use the service. In any case as I operate fixed or mobile, the BPL signal becomes intrusive and may make my radio operation unusable. I believe that the use of fiber optics or other means that does not radiate a field that could cause interference to primary radio users is more practical and would result in a more useable service for future subscribers. Based on the foregoing, I am opposed to the allowance of BPL for broadband Internet service. Systems such as 802.11, I-Burst, and Cell phone access would be far better for Broadband Internet service & not cause interference to HF communications ! Here on the planet Earth we enjoy a unique phenomena, that radio signals of certain frequencies will bounce off of the ionosphere and be able to be received at far distances from line of sight. These certain frequencies are in the HF region. BPL will use HF signals to transmit the data over the power lines. We also should know that if one were to transmit HF signals into wires or aluminum radiators, even of low power strength, called QRP to us, AMATEUR RADIO OPERATORS, these signals will leave the wire and travel magically up and bounce off the ionosphere. These phenomena are real; electromagnetic theory and equations are well understood. One can actually predict that this will occur and then measure for it. IF you carefully read the FCC's NPRM and all the BPL Providers' statements, they all postulate or theorize that there will be no interference but if you took any advanced high school or college physics classes, you would have learned about electromagnetism. Therein lies the basic problem with BPL; BPL's HF signals will leave the wires and radiate all over, even to long distances.